



PTO/SB/08A (08-03)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 16

Complete if Known

Application Number	09/896,137
Filing Date	June 29, 2001
First Named Inventor	Stephen R. Kennon
Art Unit	2123
Examiner Name	Kandasamy Thangavelu
Attorney Docket Number	1048-OBJ1118-US

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
KRN	A1	US- 3,029,018	04/10/1962	Floyd, Jr.	
KRN	B1	US- 3,302,710	02/07/1967	Odeh	
KRN	C1	US- 4,821,164	04/11/1989	Swanson	
KRN	D1	US- 5,255,212	10/19/1993	Kondoh et al.	
KRN	E1	US- 5,432,718	07/11/1995	Molvig et al.	
KRN	F1	US- 5,572,634	11/05/1996	Duluk, Jr.	
KRN	G1	US- 5,604,911	02/18/1997	Ushiro	
KRN	H1	US- 5,617,322	04/01/1997	Yokota	
KRN	I1	US- 5,675,521	10/07/1997	Holzhauer et al.	
KRN	J1	US- 5,699,271	12/16/1997	Sagawa et al.	
KRN	K1	US- 5,710,726	01/20/1998	Rowney et al.	
KRN	L1	US- 5,740,342	04/14/1998	Kocberber	
KRN	M1	US- 5,754,181	05/19/1998	Amdursky et al.	
KRN	N1	US- 5,891,131	04/06/1999	Rajan et al.	
KRN	O1	US- 5,966,524	10/12/1999	Burnett et al.	
KRN	P1	US- 6,014,473	01/11/2000	Hossack et al.	
KRN	Q1	US- 6,018,497	01/25/2000	Gunasekera	
KRN	R1	US- 6,028,607	02/22/2000	Chan	
KRN	S1	US- 6,041,017	03/21/2000	Goldsberry	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
KRN	T1	EP 0 709 789 A2	05/01/1996			
KRN	U1	EP 0 801 364 B1	07/30/2003		English Abstract	
KRN	V1	FR 2,775,094	08/20/1999		English Abstract	
KRN	W1	GB 2,326,747 A	12/30/1998			
KRN	X1	WO 99/40532	08/12/1999			
KRN	Y1	WO 99/52048	10/14/1999			

Examiner Signature

Date Considered

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Sheet 2 of 6

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Application Number	09/896,137
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First Named Inventor	Stephen R. Kennon
Art Unit	2123
Examiner Name	Kandasamy Thangavelu

Attorney Docket Number 1048-OBJ1118-US

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		Number-Kind Code ² (<i>if known</i>)			
K/SK	A2	US- 6,052,520	04/18/2000	Watts, III	
K/SK	B2	US- 6,054,992	04/25/2000	Gibson	
K/SK	C2	US- 6,064,810	05/16/2000	Raad et al.	
K/SK	D2	US- 6,070,125	05/30/2000	Murphy et al.	
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		Country Code ³ *Number ⁴ -Kind Code ⁵ (<i>if known</i>)				
K/SK	T2	WO 99/57418	11/11/1999			
—	U2	WO 02/01251 A2	01/03/2002			
—	V2	WO 02/02901 A2	01/10/2002			
—	W2	WO 02/03101 A2	01/10/2002			
—	X2	WO 02/03103 A2	01/10/2002			
—	Y2	WO 02/03262 A2	01/10/2002			

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4/8/05

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Sheet 3 of 6

Application Number	09/896,137
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First Named Inventor	Stephen R. Kennon
Art Unit	2123
Examiner Name	Kandasamy Thangavelu
Attorney Docket Number	1048-OBJ1118-US

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		Number-Kind Code ² (<i>if known</i>)			
—	A3	US-2002/0032550 A1	03/14/2002	Ward et al.	
—	B3	US-2002/0035453 A1	03/21/2002	Pond, Jr. et al.	
—	C3	US-2002/0046014 A1	04/18/2002	Kennon	
—	D3	US-2002/0067373 A1	06/06/2002	Roe et al.	
—	E3	US-2002/0072883 A1	06/13/2002	Lim et al.	
—	F3	US-2002/0082813 A1	06/27/2002	Lim et al.	
	G3	US-			
	H3	US-			
	I3	US-			
	J3	US-			
	K3	US-			
	L3	US-			
	M3	US-			
	N3	US-			
	O3	US-			
	P3	US-			
	Q3	US-			
	R3	US-			
	S3	US-			

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (<i>if known</i>)				
—	T3	WO 02/03263 A2	01/10/2002			
—	U3	WO 02/03264 A2	01/10/2002			
—	V3	WO 02/03265 A2	01/10/2002			
	W3					
	X3					
	Y3					

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Examiner Name	Kandasamy Thangavelu
Attorney Docket Number	1048-OBJ1118-US

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Sheet 4 of 6

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
KRN	A4	P.A. Forsyth, et al., "Local Mesh Refinement and Modeling of Faults and Pinchouts", SPE FORM EVALUATION, June 1986, Vol. 1, No. 3, pages 275-285. XP-002191830	
KRN	B4	Y. Ding, et al., "Developement of Dynamic Local Grid Refinement in Reservoir Simulation", Proceedings of the 13th SPE Symposium on Reservoir Simulation, New Orleans, LA, February-March 1993, pages 501-510. XP-002191831	
KRN	C4	S. Vema, et al., "A Control Volume Scheme for Flexible Frids in Reservoir Simulation", Proceedings of the 1997 SPE Reservoir Simulation Symposium, Dallas, TX, June 1997, pages 215-227. XP-002191832	
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KRN	E4	Y. Kuwauchi, et al., "Development and Applications of a Three Dimentional Voronoi-Based Flexible Grid Black Oil Reservoir Simulator", SPE Asia Specific Oil & Gas Congerence, Adelaide, Australia, October 1996, pages 1-12. XP-002191834.	
KRN	F4	R. Page, et al., "A Functional Program Describing a Simple Reservoir Model and Its Potential for Parallel Computation", Proceedings of the 1990 Symposium on Applied Computing, IEEE, April 1990, pages 85-91.	
KRN	G4	C. Giertsen, et al., "Volume Visulization of Sparse Irregular Meshes", Computer Graphics and Applications, IEEE, Vol. 2, No. 2, March 1992, pages 40-48.	
KRN	H4	S. Ghosh, "Curvilinear Local Grid Refinement", SPE 50633, SPE European Petroleum Conference, The Netherlands, 20-22 October, 1998.	
KRN	I4	H. N. Sharpe, et al., "A New Adaptive Orthogonal Grid Generation Procedure for Reservoir Simulation" 65th Annual Technical Conference and Exhibition of the Society of Petroleum Engineers, New Orelans, LA, September 23-26, 1990.	
KRN	J4	M. Wheeler, et al., "A Parallel Multiblock/Multidomain Approach for Reservoir Simulation", Proceedings of the 1999 15th Symposium on Reservoir Simulation, Houston, TX, February 1999. XP-002188857	

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
KRN	A5	D. Kahaner, et al., "An Experimental Algorithm for N-Dimensional Adaptive Quadrature", ACM Transactions on Mathematical Software (TOMS), March 1979, pages 86-96.	
KRN	B5	Y. Ozdogan, "Seismic Data Processing", Society of Exploration Geophysics, Tulsa, OK, 1991, pg. 514-515.	
KRN	C5	S. Norris, et al., "Modeling Fluid Flow Around Horizontal Wellbores", Proceedings: SPE Annual Technical Conference and Exhibition 1990 Part 4, New Orleans, LA September 23-26, 1990, Vol. SIGMA, pp. 65-75.	
KRN	D5	P. Perrochet, "Finite Hyperelements: A 4D Geometrical Framework Using Coariant Baes and Metric Tensors" COMMUNICATIONS IN NUMERICAL METHODS IN ENGINEERING, June 1995, UK, vol. 11, no. 6, pgs 525-534	
KRN	E5	J.M.M. Regtien, et al., "Interactive Reservoir Simulation", Proceedings of the 13th Symposium on Reservoir Simulation, San Antonio, TX February 12-15, pgs. 545-552.	
KRN	F5	C. Buckalew, et al., "Oilfield Visualization on the PC Platform", 2000 SPE/AAPG Western Regional Meeting, June 19-23, 2000, pgs 1-5.	
KRN	G5	E. Farkas, "Linearization Techniques of Reservoir Simulation Equations: Fully Implicit Cases, Proceedings of the 1997 SPE Reservoir Simulation Symposium, Dallas, Texas June 8-11, 1997, pgs 87-95.	
KRN	H5	E. Farkas, "Linearization Techniques of Reservoir Simulation Equations: Fully Implicit Cases, Richardson, Texas, December 1998, Vol. 3, no. 4, pgs. 316-323.	
KRN	I5	P. Benedeck, "Capacitances of Planar Multiconductor Configuration on a Dielectric Substrate by a Mixed Order Finite-Element Method, IEEE1974.	
KRN	J5	Fu, et al., "Time Integration Procedures for a Cyclic Thermoviscoplasticity Model for Pb-Sn solder applications, IEEE 1996.	

Examiner Signature	KRN	Date Considered	4/8/05
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K&N	A6	P. J. Zwart, et al., "Space-Time Meshing for Two-Dimensional Moving Boundary Problems", Proceedings of the Seventh International Meshing Roundtable, pgs 187-199, 1998.	
K&N	B6	S. L. Ho, et al., "Generation and Rotation of 3-D Finite Element Mesh for Skewed Rotor Induction Motors Using Extrusion Technique", IEEE Transactions on Magnetics, pgs 1266-1269, May 1999.	
	C6		
	D6		
	E6		
	F6		
	G6		
	H6		
	I6		
	J6		

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